cornerstone
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Via Electronic Mail

January 27, 2017

Joseph A. Gowers
Remedial Project Manager
Emergency and Remedial Response Division
USEPA Region II
290 Broadway, 19th Floor
New York, New York 10007-1866

Re: Ringwood Mines/Landfill Superfund Site
Work Plan for Additional Groundwater, Mine Water and Surface Water Sampling

Dear Mr. Gowers:

On behalf of Ford Motor Company (Ford), and in accordance with recent discussions between Ford and the US Environmental Protection Agency (USEPA), the following presents a Work Plan for additional groundwater, mine water, and surface water sampling. The primary objective of this additional sampling is to increase the database of 1,4-dioxane data using the preferred analytical method of 8270 SIM with Isotope Dilution, while also supporting the understanding of groundwater quality for other key site parameters. These additional data will also be used to complete water quality data input to the Remedial Investigation Report addendum. The proposed Work Plan for this additional sampling follows.

Work Plan

Based on the suite of sampling data collected to date, the most recent site-wide sampling event performed in August 2016, and the analysis of the data presented in the Draft Final Remedial Design Report (September 2016) regarding the overall consistency of groundwater quality, an additional sampling round is proposed at the following locations:

- CMP Area - RW-2, CM-160, CM-275

- OCDA - OB-14B, OB-16, OB-17, OB-22 (if not dry), OB-25, RW-16
- PMP Area - OB-11R, OB-19, OB-20B, OB-27, OB-31, OB-32, RW-3, RW-3DS, RW-3DD, RW-5, RW-6, RW-6A, RW-11S, RW-11D, RW-14S, RW-14D, RW-15S, RW-15D, PMP-AS-50, PMP-AS-180, PMP-AS-230
- Surface Water - SR3-seep1, SR3-seep2, PAB-01A, PAB-01, PAB-02, PAB-03, PAB-04, SP-01, MRB-03, SW-04

Each of the above locations will be sampled for TCL VOCs (Method 8260), 1,4-dioxane (Method 8270 SIM with Isotope Dilution), arsenic and lead (total and dissolved, Method 6020A).

Groundwater sampling will be conducted in accordance with the USEPA Low Flow Sampling protocols as currently approved and implemented for groundwater sampling at the Site. Note that collection of a sample following 24 hours of recovery time, as approved for other site wells, may be required depending on well yield. Surface water samples will be collected as grab samples placed directly into laboratory provided sample containers.

Quality control samples will include two blind duplicates (collected from randomly selected monitoring well locations), two MS/MSD pairs, two field blanks and an estimated eight trip blanks. Samples will be identified by the location ID and sample date consistent with prior practice and delivered by courier to Test America and Alpha Analytical (1,4-dioxane testing only) laboratories under chain of custody.

Analytical data will be validated by Cadena consistent with current practice. The analytical results will subsequently be presented in a data report with narrative, tables, and figures to illustrate the results.

Schedule

In anticipation of approval of this work plan in January 2017, sampling is expected to be performed in early to mid-February 2017. The sampling is estimated to take nine business days to complete.

Please contact us if you have questions or comments on this Work Plan.

Sincerely,

CORNERSTONE ENGINEERING GROUP, LLC

Gary J. DiPippo, Professional Engineer.
NJ Lic. # 24GE02646100
Region Vice President

Enclosure

cc: B. Bussa, Ford
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